

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"6678635".pn. AND (index\$3 indices)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 16:30
S2	854	(video NEAR4 index\$3) AND temporal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 16:54
L3	912	(video NEAR4 index\$3) AND temporal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 16:56
L8	16	7 AND (simulat\$4 emulat\$4 visualiz\$7)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 16:59
L7	44	6 AND ((index\$3 indices) NEAR4 temporal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 16:59
L10	5	((temporal NEAR4 (event\$1 data information object\$1)) AND (temporal WITH predict\$4) AND (temporal WITH model\$1)).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:07
L9	81	((temporal NEAR4 (event\$1 data information object\$1)) AND (temporal WITH predict\$4)).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:07
L6	1005	5 AND ("707"/\$.ccls. 702/176-181.ccls.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:08
L11	24	9 AND ("707"/\$.ccls. 702/176-181.ccls. "382"/\$.ccls.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:10

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L14	65	13 AND (temporal NEAR8 predict\$8)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:11
L13	1271	12 AND 5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:11
L12	46057	("707"/\$.ccls. 702/176-181.ccls. "382"/100,103,107,154.ccls.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:11
L5	16325	(temporal NEAR4 (event\$1 data information object\$1))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:11
L16	11	15 AND (temporal WITH model\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:12
L15	34	14 AND (index\$3 indices)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/11 17:12


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1 [Data structures, computational geometry: A spatio-temporal access method based on snapshots and events](#)

Gilberto A. Gutiérrez, Gonzalo Navarro, Andrea Rodríguez, Alejandro González, José Orellana
November 2005 **Proceedings of the 13th annual ACM international workshop on Geographic information systems GIS '05**

Publisher: ACM Press

 Full text available: pdf (382.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a new spatio-temporal access method (SEST-Index) that combines two approaches for modeling spatio-temporal information: snapshots and events. This method makes it possible to not only process *time slice* and *interval* queries, but also queries about events. The SEST Index implementation uses an R-tree structure for storing snapshots and a log data structure for storing events that occur between consecutive snapshots. Experimental results that compare SEST-Index a ...

Keywords: r-trees, spatio-temporal access methods, temporal events

2 [Data mining: Time-dependent semantic similarity measure of queries using historical click-through data](#)

Qiankun Zhao, Steven C. H. Hoi, Tie-Yan Liu, Sourav S. Bhowmick, Michael R. Lyu, Wei-Ying Ma

May 2006 **Proceedings of the 15th international conference on World Wide Web WWW '06**

Publisher: ACM Press

 Full text available: pdf (347.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It has become a promising direction to measure similarity of Web search queries by mining the increasing amount of click-through data logged by Web search engines, which record the interactions between users and the search engines. Most existing approaches employ the click-through data for similarity measure of queries with little consideration of the temporal factor, while the click-through data is often dynamic and contains rich temporal information. In this paper we present a new framework of ...

Keywords: click-through data, event detection, evolution pattern, marginalized kernel, semantic similarity measure



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Kevin K. Chang, Nithya Ramanathan, Deborah Estrin, Jens Palsberg

November 2005 **Proceedings of the 3rd international conference on Embedded
networked sensor systems SenSys '05**

Publisher: ACM Press

Full text available: pdf(86.12 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Understanding how a sensor network system works requires running the system, extracting log files, and manually interpreting system metrics. When interpreting system metrics, we often try to correlate behavior over multiple modalities. For example, if a node is exhibiting strange behaviors, the cause may be due to weak battery, geographically bad placement, collision, interference, sensor failure, algorithmic faults, or a combination of the above. This approach of interpreting metrics ...

Keywords: analysis, data mining, debugging, deployment, sensor network, visualization

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1 [Data structures, computational geometry: A spatio-temporal access method based on snapshots and events](#)

Gilberto A. Gutiérrez, Gonzalo Navarro, Andrea Rodríguez, Alejandro González, José Orellana
November 2005 **Proceedings of the 13th annual ACM international workshop on Geographic information systems GIS '05**

Publisher: ACM Press

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This paper describes a new spatio-temporal access method (SEST-Index) that combines two approaches for modeling spatio-temporal information: snapshots and events. This method makes it possible to not only process *time slice* and *interval* queries, but also queries about events. The SEST Index implementation uses an R-tree structure for storing snapshots and a log data structure for storing events that occur between consecutive snapshots. Experimental results that compare SEST-Index a ...

Keywords: r-trees, spatio-temporal access methods, temporal events

2 [Session 11: multimedia analysis and retrieval: Retrieving actions embedded in video](#)

Tanveer Syeda-Mahmood

December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Publisher: ACM Press

 Full text available: [pdf\(1.55 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In a number of applications including surveillance, there is a need to reliably retrieve an action-depicting segment in a video. This is an enormously difficult problem due to the variability in an action's appearance when seen at different times. It requires reliable object and action segmentation, and robust methods for indexing the action content in a video. In this paper, we present a novel approach to action retrieval that extracts salient action events in query and database videos. These e ...

Keywords: actions, recognition, segmentation, video understanding

3 [Technical poster session 3: multimedia tools, end-systems, and applications:](#)

[Designing experiential environments for management of personal multimedia](#)

Rahul Singh, Rachel Knickmeyer, Punit Gupta, Ramesh Jain

October 2004 **Proceedings of the 12th annual ACM international conference on**


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- 1 [Poster session: papers included: Teaming discrete-event simulation and geographic information systems to solve a temporal/spatial business problem](#)

Richard G. Born

 December 2005 **Proceedings of the 37th conference on Winter simulation WSC '05**

Publisher: Winter Simulation Conference

 Full text available: pdf(479.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Although discrete-event simulation has pedagogically been rooted in computer science, and the practicality of geographic information systems in geography, the combined use of both in the business world allows solving some very challenging temporal/spatial (time and space dependent) business problems. The discrete-event simulation language WebGPSS, an ideal simulation environment for the business person, is teamed with Microsoft MapPoint, a GIS (geographic information system) designed to bring po ...

- 2 [1st international workshop on advanced data processing in ubiquitous computing \(ADPUC 2006\): Spatio-temporal sensor data management for context-aware services: designing sensor-event driven service coordination middleware](#)

Akio Sashima, Yutaka Inoue, Koichi Kurumatani

 November 2006 **Proceedings of the 1st international workshop on Advanced data processing in ubiquitous computing (ADPUC 2006) ADPUC '06**

Publisher: ACM Press

 Full text available: pdf(353.84 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

How various kinds of sensor devices are handled, and how numerous lower-level sensor data are managed and integrated into higher-level context representations are important issues to realize context-aware services. We have been developing Sensor-Event-Driven Service Coordination Middleware (SENSORD) to fill coordination gaps between higher-level services and lower-level sensors. The SENSORD system obtains and stores sensor data into an in-memory data container to achieve fast, complex analysis o ...

- 3 [Time and space: Time period directories: a metadata infrastructure for placing events in temporal and geographic context](#)

Vivien Petras, Ray R. Larson, Michael Buckland

 June 2006 **Proceedings of the 6th ACM/IEEE-CS joint conference on Digital libraries JCDL '06**

Publisher: ACM Press

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IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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Ushiba, J.; Tomita, Y.; Masakado, Y.;
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Dockstader, S.L.; Imennov, N.S.;
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Suzuki, I.; Lu, H.;
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- ☐ 4. **Learning classification rules from database in the context of knowledge a representation**
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- ☐ 5. **A reachability synthesis procedure for discrete event systems In a tempo framework**
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 Rauf, I.; Zaidi, A.K.;
Systems, Man and Cybernetics, 2002 IEEE International Conference on
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- ☐ 2. **A model for temporal correlation of biological neuronal spike trains**
 Tam, D.C.; Perkel, D.H.;
Neural Networks, 1989, IJCNN, International Joint Conference on
 18-22 June 1989 Page(s):781 - 786 vol.1
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